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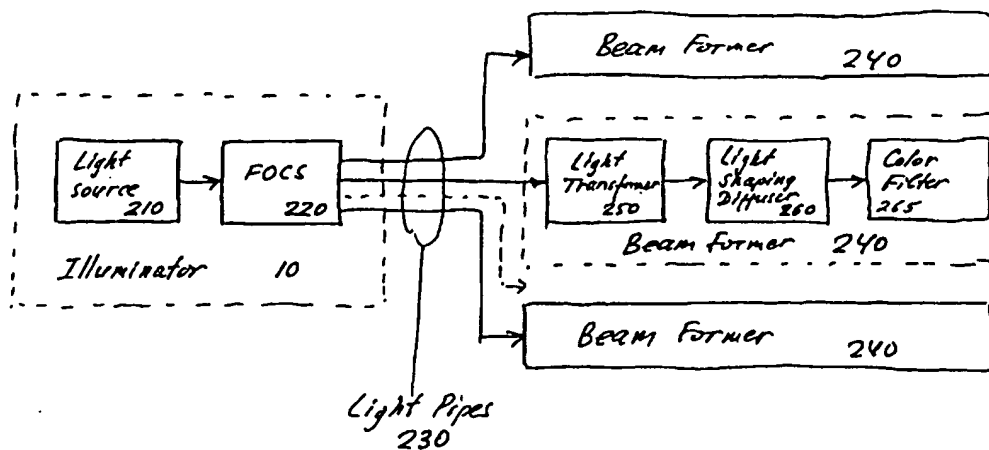
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International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : F21V 7/04, 8/00, G02B 5/32, 6/00	A1	(11) International Publication Number: WO 97/20169 (43) International Publication Date: 5 June 1997 (05.06.97)
(21) International Application Number: PCT/US96/18185 (22) International Filing Date: 29 October 1996 (29.10.96) (30) Priority Data: 08/564,596 29 November 1995 (29.11.95) US 08/636,798 22 April 1996 (22.04.96) US (71) Applicant: PHYSICAL OPTICS CORPORATION [US/US]; Building 100, 20600 Gramercy Place, Torrance, CA 90501 (US). (72) Inventors: RIZKIN, Alexander; 1191 Camino De La Costa #403, Rendonado Beach, CA 90277 (US). SADOVNIK, Lev, S.; 8061 Romaine Street #207, Los Angeles, CA 90046 (US). MANASSON, Vladimir; 1538 North Martel Avenue #114, Los Angeles, CA 90046 (US). (74) Agents: NILLES, Andrew, J. et al.; Nilles & Nilles, S.C., Suite 2000, 777 East Wisconsin Avenue, Milwaukee, WI 53202 (US).		(81) Designated States: CA, JP, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  Published With international search report.

(54) Title: UNIVERSAL REMOTE LIGHTING SYSTEM








(57) Abstract

Systems and methods for universal remote lighting systems are described. A high definition universal remote lighting system includes a light source (210) that is coupled to a light pipe (230), a high efficiency light transformer design (250) and a high efficiency holographic diffuser (260) for shaping the light. The present invention can also include an optical switch device (100) for direct light output monitoring. The systems and methods provide advantages such as cost reduction, better monitoring and control, maintenance simplification, enhanced personnel safety, electromagnetic impulse (EMI) insensitivity, reduced radar and weight/size reduction.






**UNIVERSAL REMOTE LIGHTING SYSTEM**

**Patent number:** WO9720169  
**Publication date:** 1997-06-05  
**Inventor:** RIZKIN ALEXANDER; SADOVNIK LEV S; MANASSON VLADIMIR  
**Applicant:** PHYSICAL OPTICS CORP (US)  
**Classification:**  
- international: (IPC1-7): F21V7/04; F21V8/00; G02B5/32; G02B6/00  
- european: B64F1/20; G02B5/02; G02B6/00L; G02B6/24A; G02B6/26B; G02B6/28B  
**Application number:** WO1996US18185 19961029  
**Priority number(s):** US19950564596 19951129; US19960636798 19960422

**Also published as:**

 WO9720169 (A1)  
 EP0864065 (A1)  
 EP0864065 (A1)  
 US5629996 (A1)  
 EP0864065 (A4)

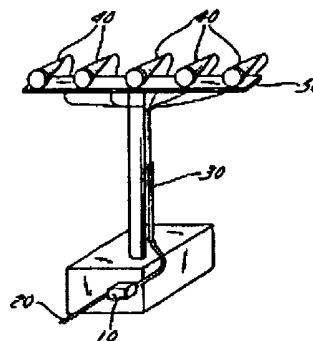
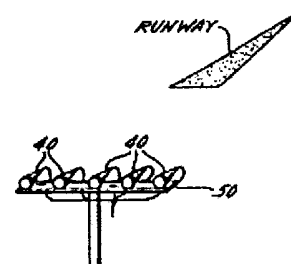
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**Abstract of WO9720169**

Systems and methods for universal remote lighting systems are described. A high definition universal remote lighting system includes a light source (210) that is coupled to a light pipe (230), a high efficiency light transformer design (250) and a high efficiency holographic diffuser (260) for shaping the light. The present invention can also include an optical switch device (100) for direct light output monitoring. The systems and methods provide advantages such as cost reduction, better monitoring and control, maintenance simplification, enhanced personnel safety, electromagnetic impulse (EMI) insensitivity, reduced radar and weight/size reduction.



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